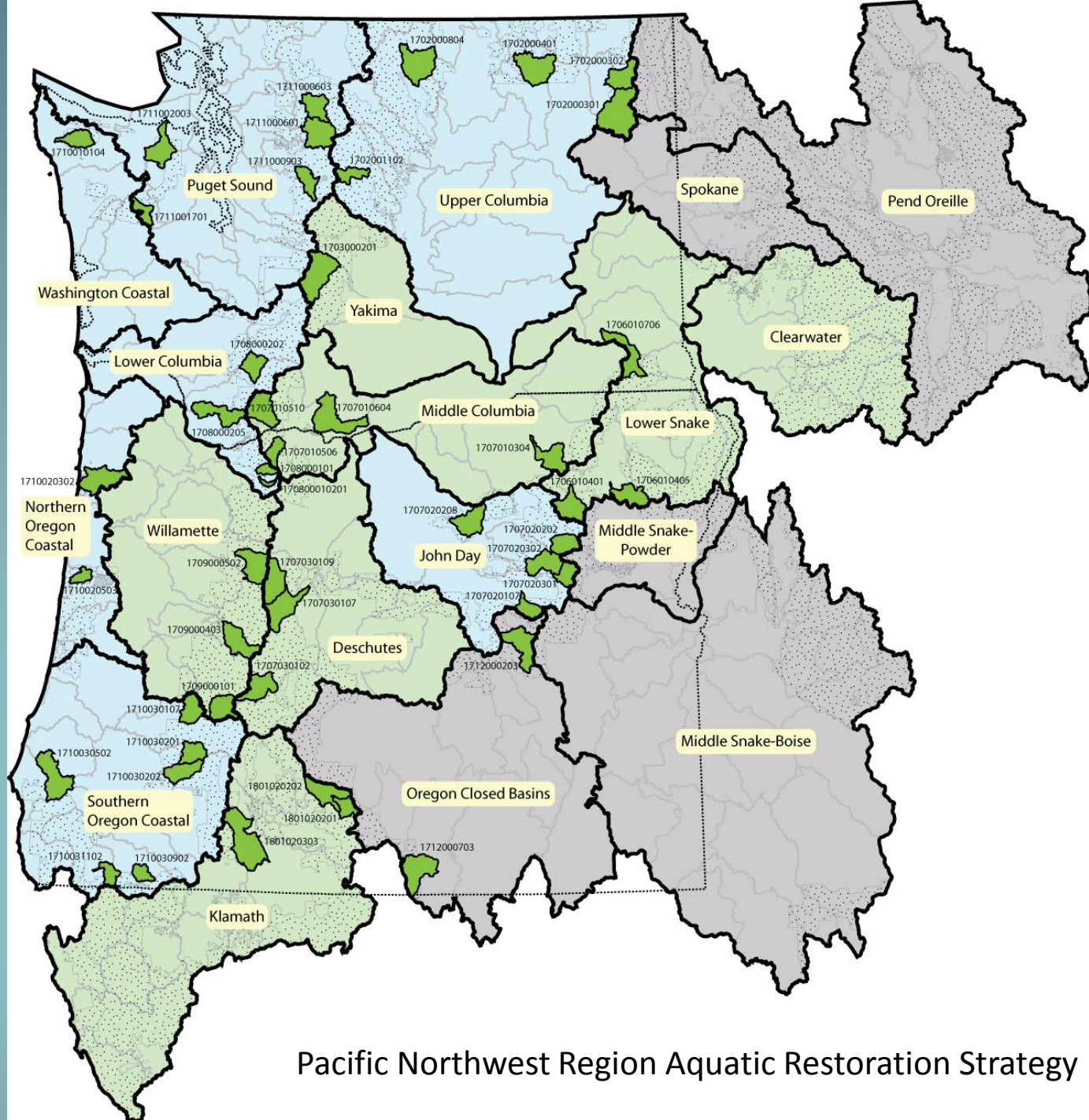


# Dungeness Watershed Action Plan

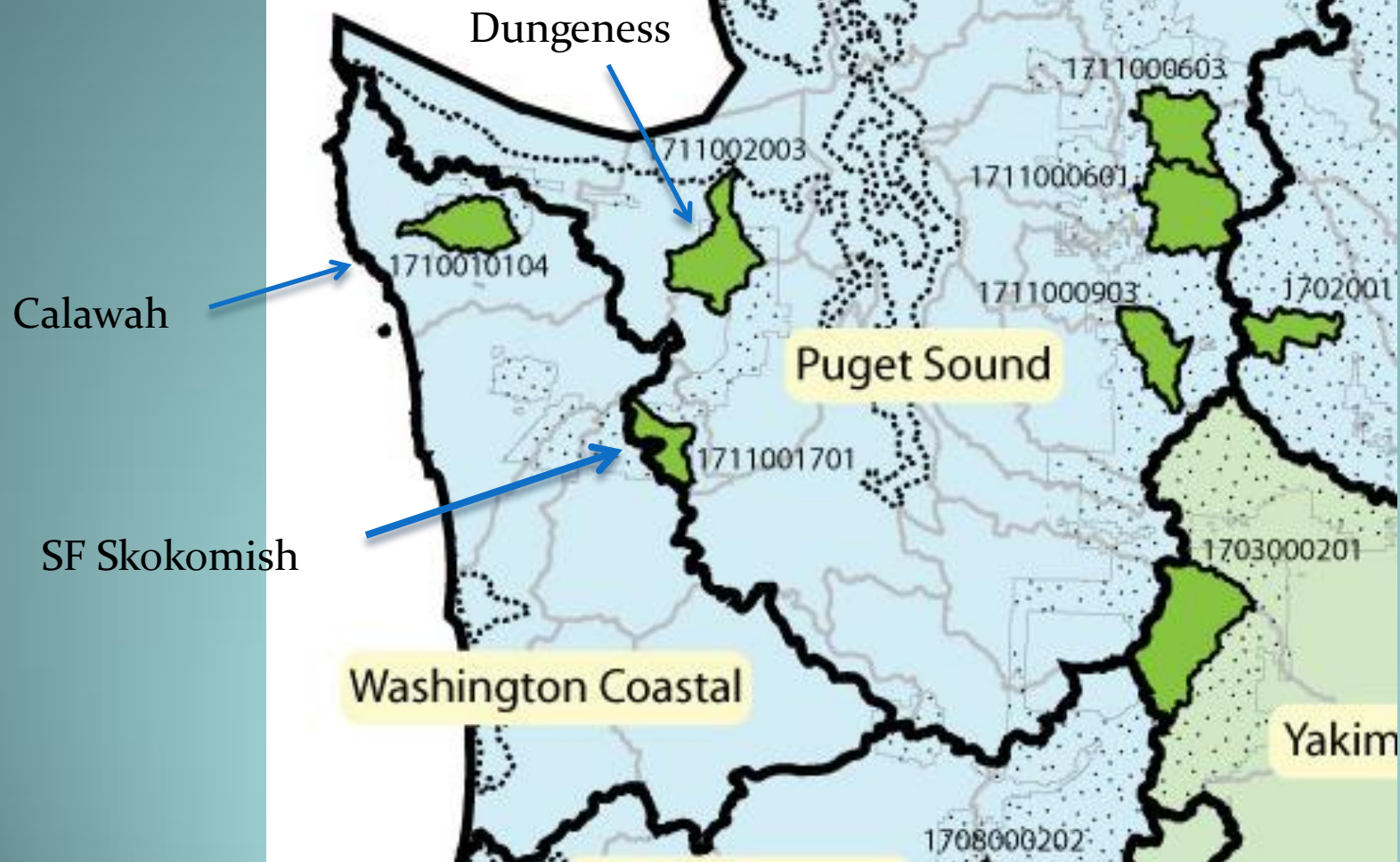
## Olympic National Forest





Pacific Northwest Region Aquatic Restoration Strategy



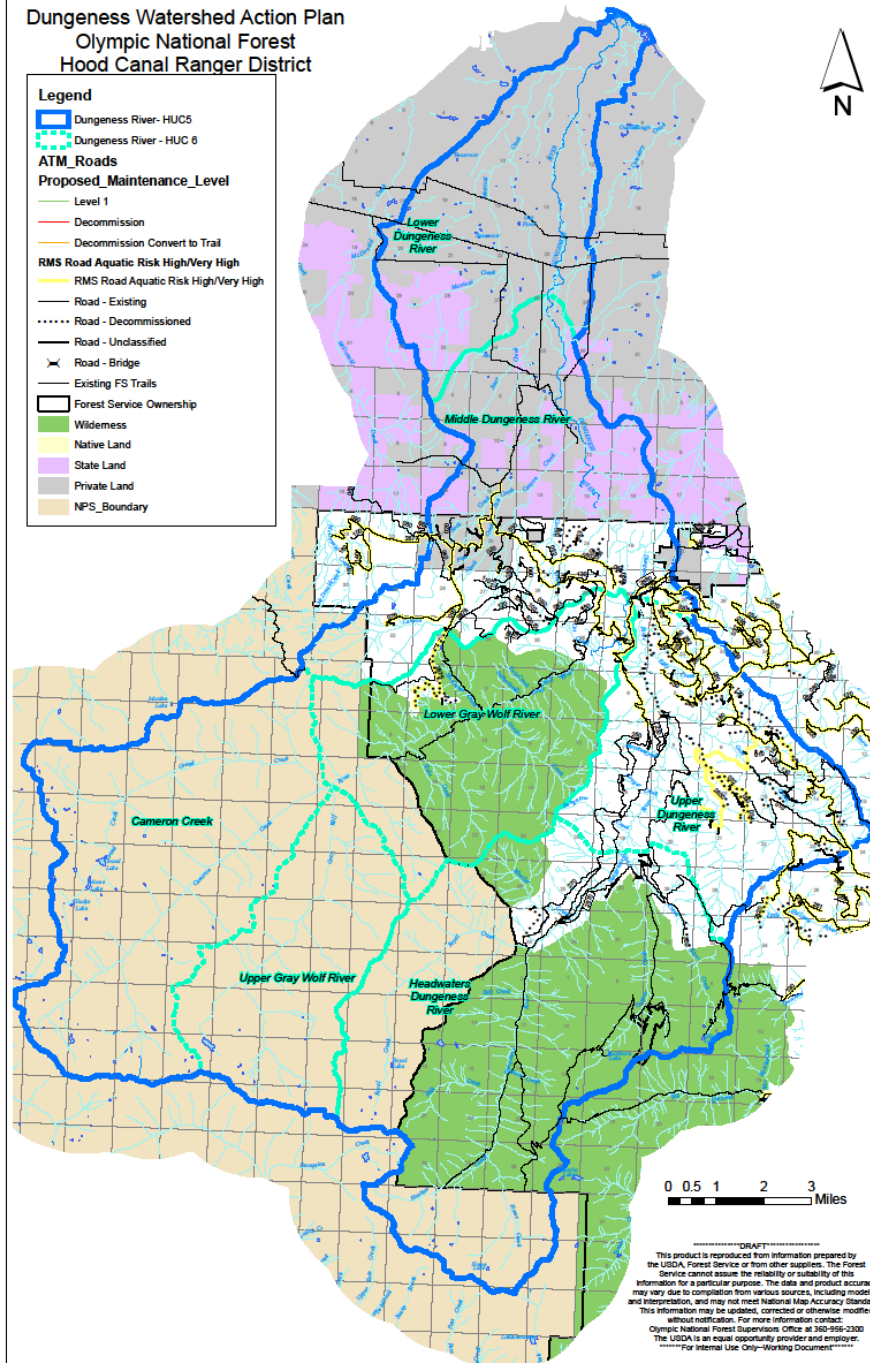


Olympic National Forest Focus Watersheds

# Dungeness Watershed Action Plan Olympic National Forest Hood Canal Ranger District

## Legend

- Dungeness River- HUC5
- Dungeness River- HUC 6
- ATM\_Roads**
- Proposed\_Maintenance\_Level**
- Level 1
- Decommission
- Decommission Convert to Trail
- RMS Road Aquatic Risk High/Very High**
- RMS Road Aquatic Risk High/Very High
- Road - Existing
- Road - Decommissioned
- Road - Unclassified
- Road - Bridge
- Existing FS Trails
- Forest Service Ownership
- Wilderness
- Native Land
- State Land
- Private Land
- NPS\_Boundary



-----DRAFT-----  
This product is reproduced from information prepared by the USDA Forest Service or from other sources. The Forest Service cannot assume the reliability or suitability of this information for a particular purpose. The data and product accuracy may vary due to compilation from various sources, including modeling and interpretation, and may not meet National Map Accuracy Standards. This information may be updated, corrected or otherwise modified without notification. For more information contact: Olympic National Forest Supervisors Office at 360-955-2300. The USDA is an equal opportunity provider and employer.  
-----For Internal Use Only-Working Document-----

# Factors in Selecting Focus Watersheds

- Forest High Priority Watershed
- Watershed Analysis/ Restoration Summary
- Potential Partnerships
- Restoration Opportunities on NF Lands
- Salmon Stronghold Partnership

## Requirements of a Focus Watershed

- Working with partners in a collaborative manner
- Complete a Restoration (aka Watershed) Action Plan

# Watershed Action Plans

- Integrated treatments to restore whole watersheds
  - Key Processes
  - Priority Treatments
  - Locations
  - Timing
  - Costs
  - Partners
  - Expected Results
- Goals of the Watershed Action Plan
  - Identify all high priority aquatic restoration projects that need to be completed to set the watershed on a trajectory of recovery
  - Is not intended to be a complete list of all remaining restoration work needed; display prime opportunities
  - Make the projects in the watershed eligible to compete for funding

# Funding Opportunities

- Legacy Roads
- Whole Watershed Joint Venture
- Stewardship Contracting
- Salmon Recovery Funding Board/Puget Sound Partnership
- Potential for Wyden Amendment and other Federal funding in lower watershed





# Background Analyses for Dungeness Watershed

- Dungeness Watershed Analysis (1995)
- Dungeness Watershed Improvement Needs Inventory (2001)
- Dungeness Watershed Analysis (2<sup>nd</sup> Iteration, 2002)
- Olympic NF Access and Travel Management Plan (2002)
- Olympic NF Strategic Plan (2005, 2011 draft)
- R6 Aquatic Restoration Strategy (2005)
- Dungeness River Management Team Proposed List for Restoration Activities (2005)
- Field knowledge of FS staff & cooperators



# Dungeness Watershed Analysis Area

- Lies within the rain shadow of the Olympic Peninsula
- Covers 170 square miles in multiple ownerships
- Includes the Dungeness and Grey Wolf Rivers upstream from river mile 10.8
- Land allocations include Wilderness, Late Successional Reserve, Riparian Reserve, Key Watershed



# Habitat for 7 Anadromous Species

- Puget Sound Chinook (T)
- Puget Sound Steelhead Trout (T)
- Coho
- Sea-run Cutthroat Trout
- Hood Canal Summer Chum (T)
- Bull Trout (T)
- Pink



# Restoration Accomplishments – 2000 to current

- Miles of trail maintained – 66
- Acres of weeds treated – 176
- Acres of pre-commercial thinning – 1,630
- Acres of commercial thinning - 69
- Acres of elk forage improved - 67
- Miles of road stabilized and upgraded – 38
- Miles of road decommissioned – 30
- Fish passage barrier removal - 2

# Dungeness Watershed Action Plan Goals

G1 - Maintain, improve, and restore natural watershed processes

G2 - Use best available science

G3 - Involve community in stewardship

G4 - Create sustainable infrastructure

G5 - Develop framework that fosters future collaboration



# Dungeness Watershed Action Plan Objectives

- O1 - Enhance and protect water quality and quantity
- O2 - Enhance riparian, aquatic, and terrestrial ecosystems
- O3 - Engage broadest spectrum of community
- O4 - Identify and prioritize high priority projects needed for restoration and protection
- O5 - Incorporate current information on climate change
- O6 - Identify leaders in community to make this effort successful
- O7 - Utilize an integrated approach within FS and community



## Potential Restoration Projects



# Aquatic Objectives

- Sediment Reduction
- Restore Hillslope Runoff Patterns
- Re-establish Riparian Vegetation
- Aquatic Species Passage and Habitat

# Road Restoration Treatment Types

Decommissioning

Slope Stabilization

Drainage Upgrade/Fish Passage

Periodic Maintenance

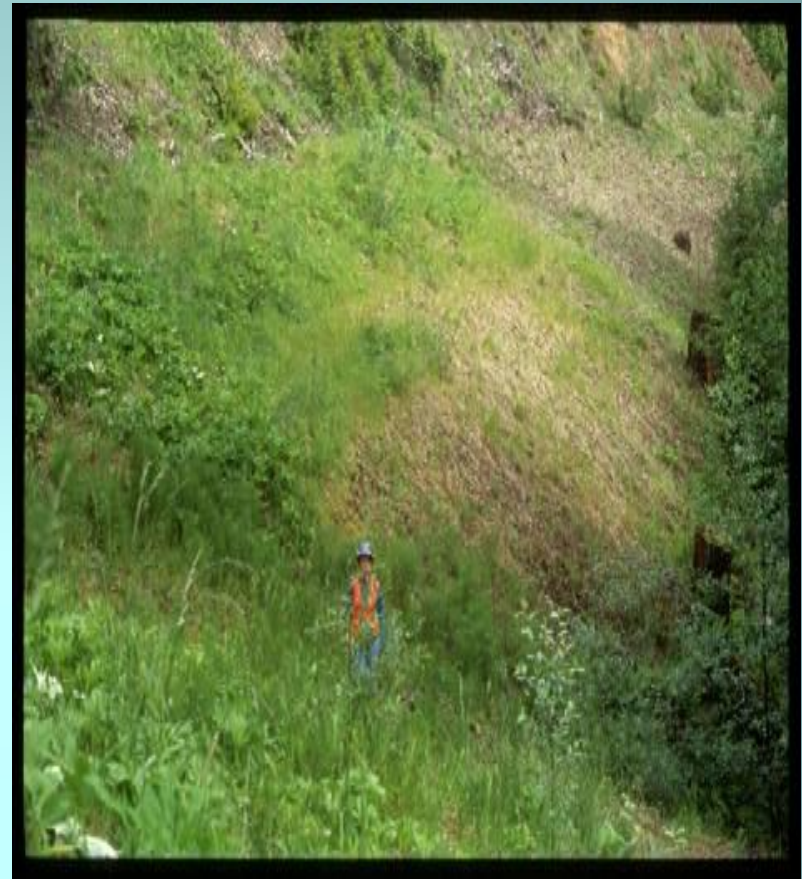


# Road Decommissioning

- Low Intensity



- High Intensity





**FS2860**

**Before: 8/6/03**

# Stream Adjacent Road Removal



**After: 9/23/03**



# Road Stabilization



# Road Upgrading





# Road Upgrading – Fish Passage





## Instream Large Wood





# Soil Bioengineering and Erosion Control





## Gold Creek Culvert Fish Passage Barrier Removal 2006





# Caraco Creek Elk Forage Units



**FS Road 2870-052, reducing  
road density in elk habitat**





# Invasive Plant Management



**Pat's Prairie Botanical Area**



# Native Revegetation



**Closed road planted  
and seeded with  
species preferred by  
elk as forage**



**Riparian area  
planted with  
conifers**



# Wetland Restoration



**Slabcamp wetland - before**



**After amending soil and planting  
native wetland vegetation**



# Dungeness Trail Bridge Replacement



# Decommission – Convert to Trail





# Trail Reconstruction

**Puncheon replacement at  
Gold Creek**





# Slabcamp Pit



# Dungeness Public Participation

- Initial Discussion Participants

- Jamestown S’Klallam Tribe
- Congressman Norm Dicks Office
- Olympic Forest Coalition
- The Wilderness Society
- National Forest Foundation
- Sierra Club (WA Chapter)
- Sequim Public Works
- Members of OHV, mountain bike, hiker, horseman, and other recreation communities
- WDFW

- Dungeness River Management Team

- Public Meeting & Field Trips

- Background of watershed; past management actions
- Outline Goals and Objectives of WAP
- Invitation to participate in process

# Forest Service and Collaborative Process

- FS resource areas review previous plans and reports, and field knowledge to outline potential restoration projects within resource area
- FS team work across resource areas to identify potential restoration projects for multiple benefits
- FS and public provides list of potential restoration opportunities
- Collaborative Group will review and recommend priority list for District Ranger approval
- FS team to use priority list and calculate cost for each project



# Short-term Timeline

- Draft WAP by end of September
- Specialist input to writer/editor – mid September
- CG to present potential sites and restoration areas to FS in late August
- August 10 – DRMT field trip to potential sites
- July 29 or 30 – field trip with FS and CG to potential sites
- July 5 – conference call with FS and interested public
- June 28 - Public meeting

